

FIG. 1
(Prior Art)

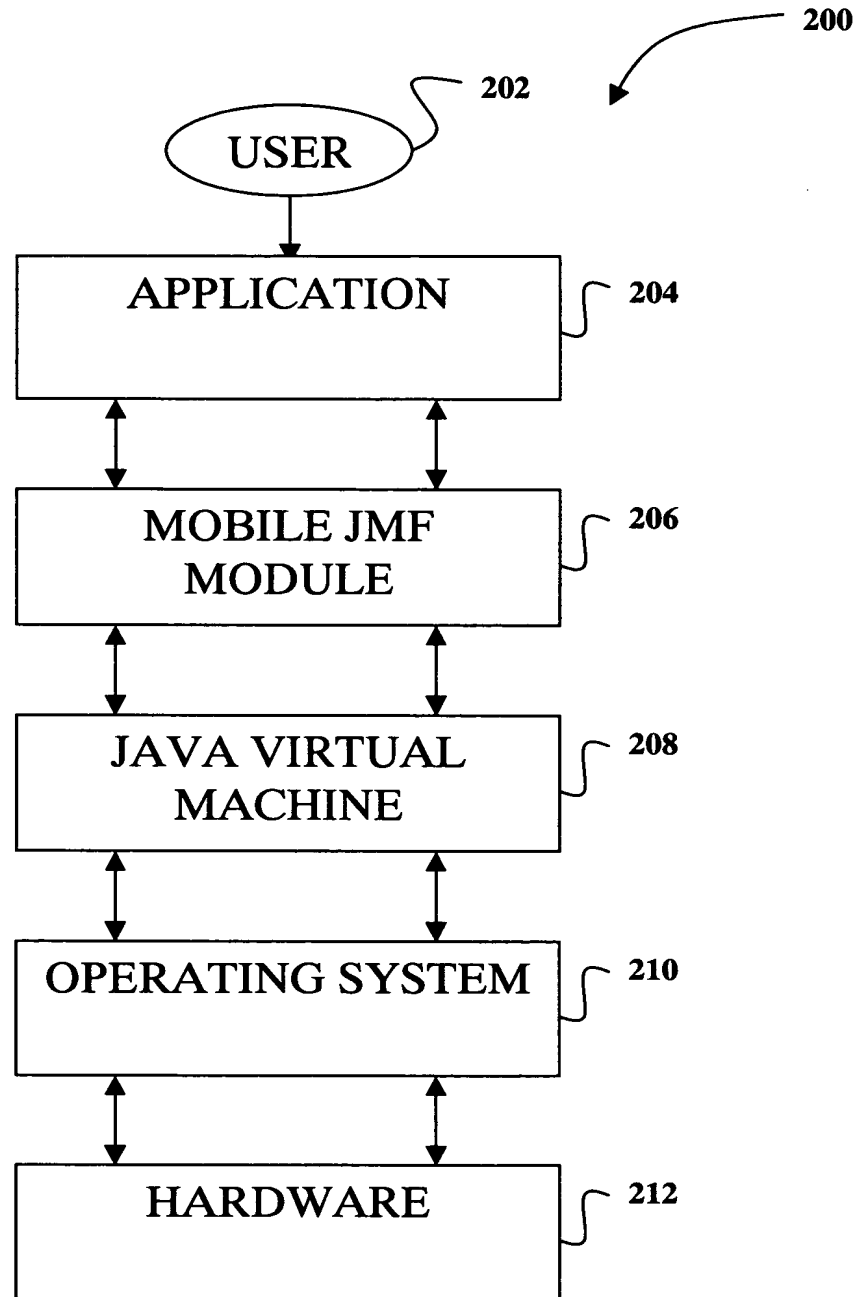


FIG. 2

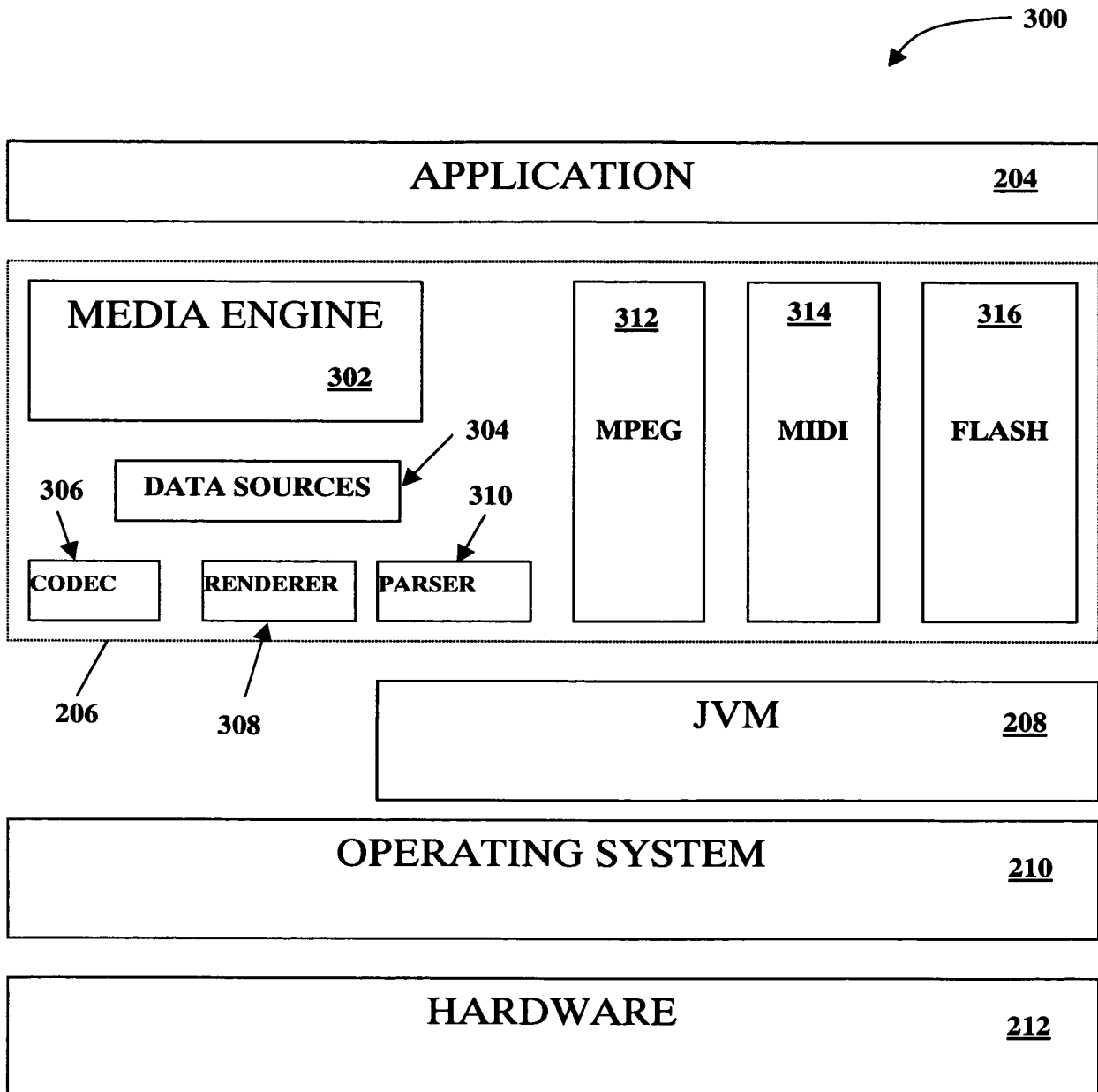


FIG. 3

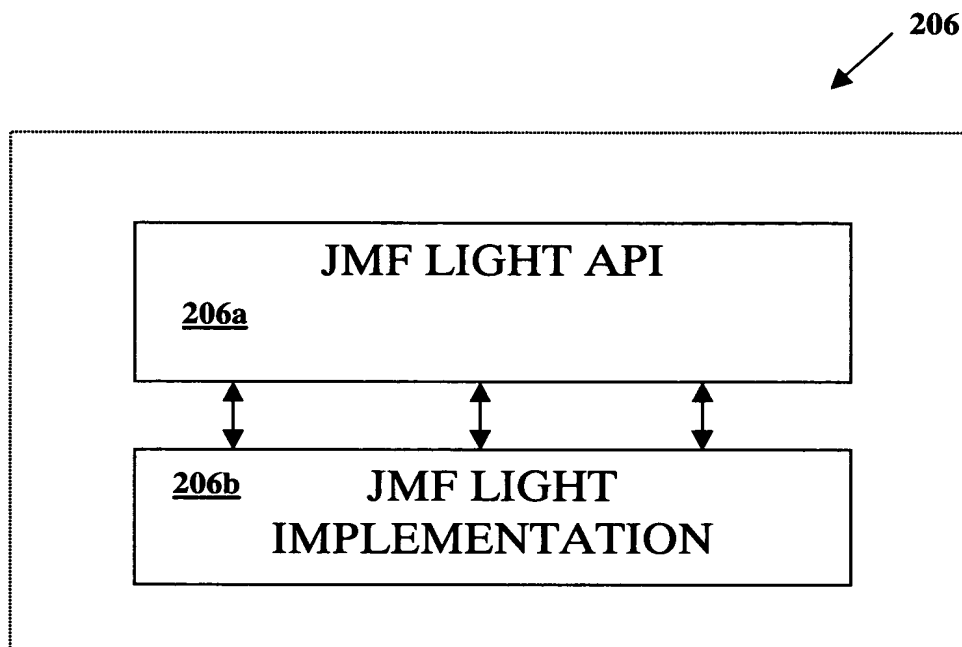
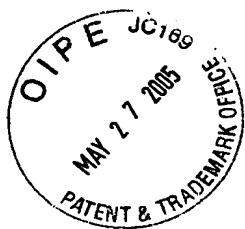


FIG. 4

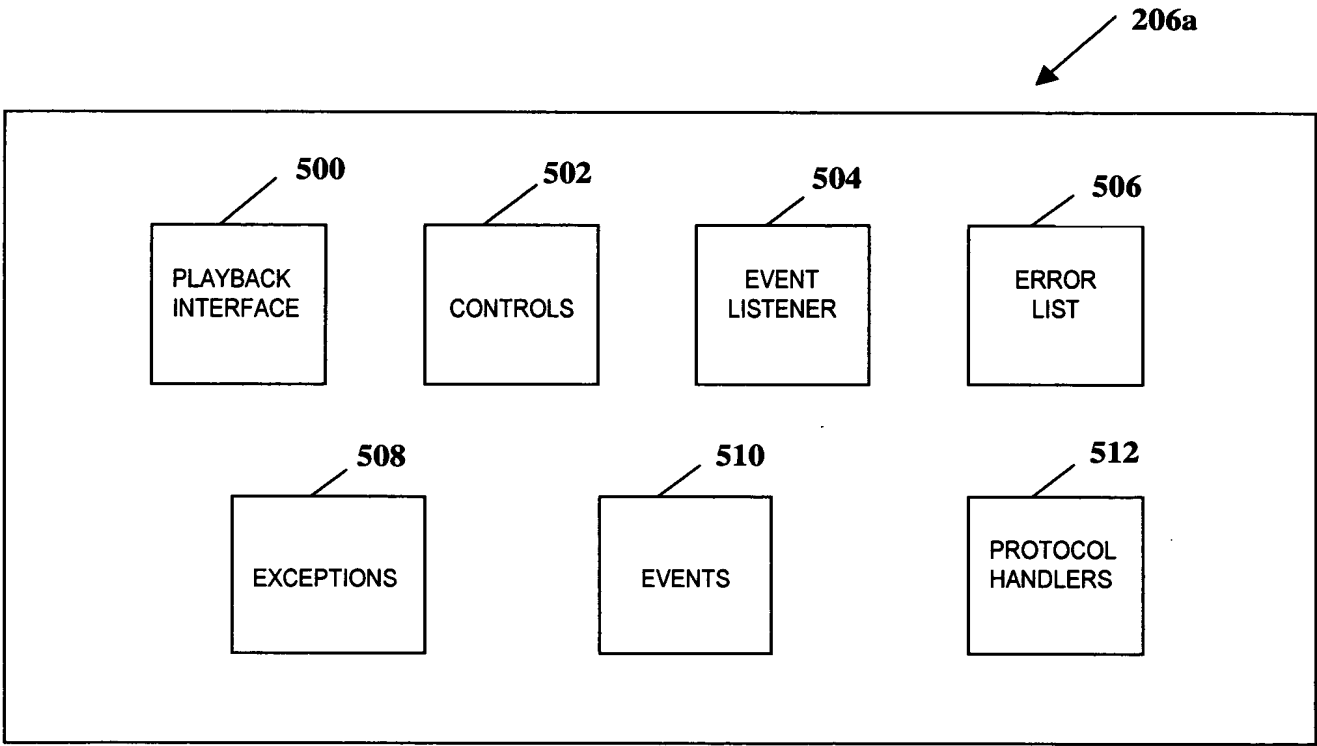


FIG. 5



javax/media/Manager.java
javax/media/PackageManager.java
javax/media/Player.java
javax/media/Time.java
javax/media/TimeBase.java
javax/media/SystemTimeBase.java
javax/media/MediaLocator.java

500

FIG. 6A

javax/media/Control.java
javax/media/Controls.java
javax/media/CachingControl.java
javax/media/GainControl.java

502

FIG. 6B

javax/media/PlayerListener.java
javax/media/GainChangeListener.java

504

FIG. 6C



javax/media/PlayerError.java

506
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FIG. 6D

media/PlayerException.java
media/IncompatibleSourceException.java
media/NoPlayerException.java
media/IncompatibleTimeBaseException.java
media/NoDataSourceException.java

508
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FIG. 6E

media/AudioDeviceUnavailableEvent.java
media/PlayerEvent.java
media/CachingControlEvent.java
media/StopEvent.java
media/GainChangeEvent.java
media/PlayerErrorEvent.java
media/DurationUpdateEvent.java
media/EndOfMediaEvent.java
media/InternalErrorEvent.java
media/SizeChangeEvent.java
media/StopAtTimeEvent.java

510
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FIG. 6F



Title: METHOD AND APPARATUS FOR A MOBILE MULTIMEDIA JAVA FRAMEWORK
Application No.: 09/930,850 Docket No.: SUNMP010 Inventor: WONG et al.

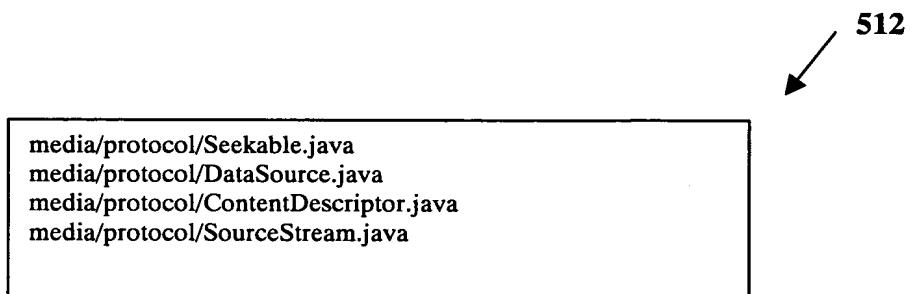


FIG. 6G

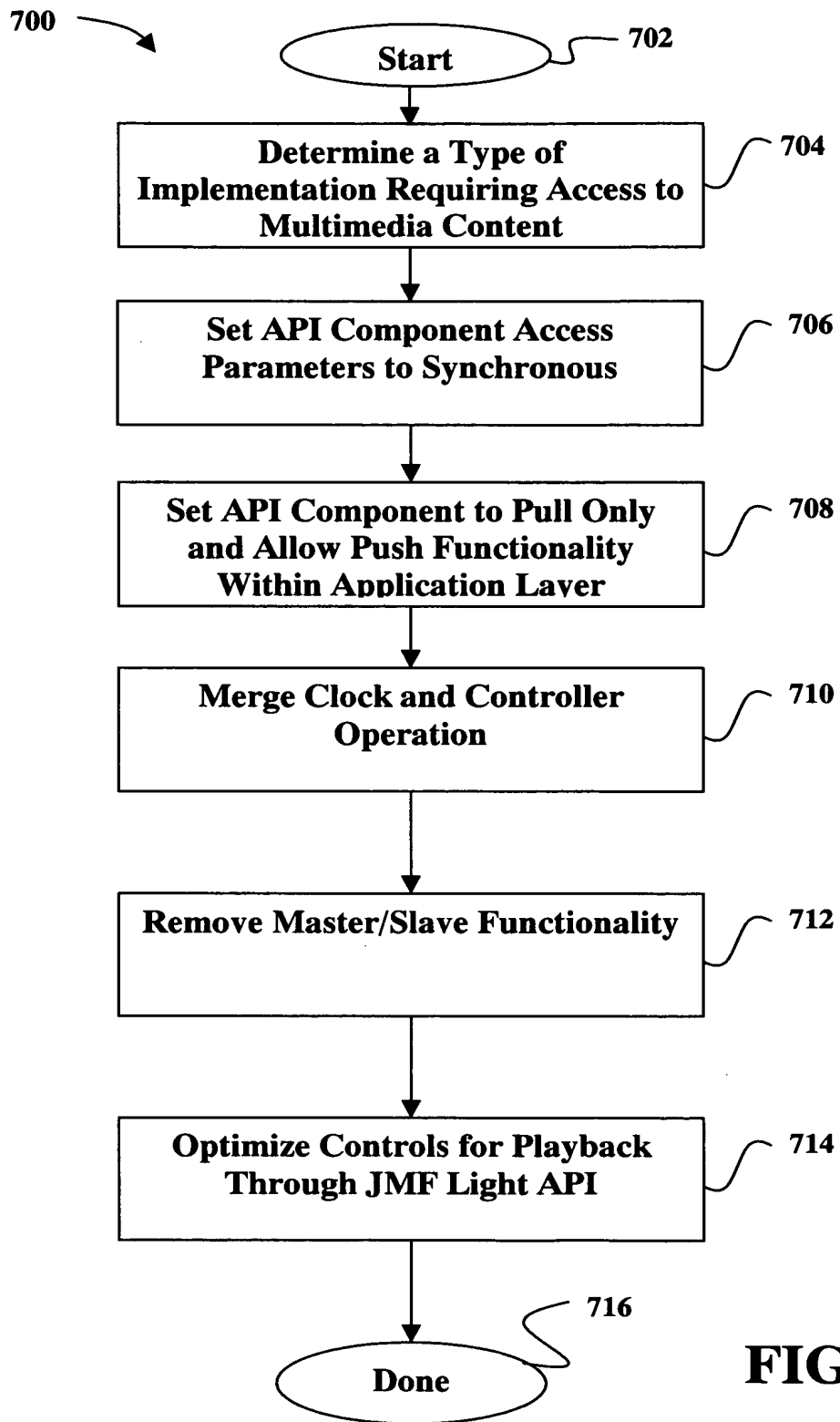


FIG. 7